

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5**

IN THE MATTER OF:

**Hydrite Chemical Company
2400 South Erie Canal
Terre Haute, Indiana 47802**

ATTENTION:

**Val Kizik
Operations Manager**

Request to Provide Information Pursuant to the Clean Air Act

The U.S. Environmental Protection Agency is requiring Hydrite Chemical Company (Hydrite or you) to submit certain information about the facility at 2400 South Erie Canal, Terre Haute, Indiana. Appendix A provides the instructions needed to answer this information request, including instructions for electronic submissions. Appendix B and C specify the information that you must submit. You must send this information to us according to the schedules in Appendix B and C.

We are issuing this information request under Section 114(a) of the Clean Air Act (the CAA), 42 U.S.C. § 7414(a). Section 114(a) authorizes the Administrator of EPA to require the submission of information. The Administrator has delegated this authority to the Director of the Air and Radiation Division, Region 5.

Hydrite owns and operates an emission source at the Terre Haute, Indiana facility. We are requesting this information to determine whether your emission source is complying with the Indiana State Implementation Plan and the Clean Air Act (CAA).

Hydrite must send all required information to:

Attn: Compliance Tracker, AE-17J
Air Enforcement and Compliance Assurance Branch
U.S. Environmental Protection Agency
Region 5
77 W. Jackson Boulevard
Chicago, Illinois 60604

Hydrite must submit all required information under an authorized signature with the following certification:

I certify under penalty of law that I have examined and am familiar with the information in the enclosed documents, including all attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are, to the best of my knowledge and belief, true and complete. I am aware that there are significant penalties for knowingly submitting false statements and information, including the possibility of fines or imprisonment pursuant to Section 113(c)(2) of the Clean Air Act and 18 U.S.C. §§ 1001 and 1341.

As explained more fully in Appendix D, you may assert a claim of business confidentiality under 40 C.F.R. Part 2, Subpart B for any part of the information you submit to us. Information subject to a business confidentiality claim is available to the public only to the extent, and by means of the procedures, set forth at 40 C.F.R. Part 2, Subpart B. If you do not assert a business confidentiality claim when you submit the information, EPA may make this information available to the public without further notice. You should be aware, moreover, that pursuant to Section 114(c) of the CAA and 40 C.F.R. § 2.301(a) and (f), emissions data, standards and limitations are not entitled to confidential treatment and shall be made available to the public notwithstanding any assertion of a business confidentiality claim. Appendix D provides additional information regarding the meaning and scope of the term "emissions data."


This information request is not subject to the Paperwork Reduction Act, 44 U.S.C. § 3501 *et seq.*, because it seeks collection of information from specific individuals or entities as part of an administrative action or investigation.

We may use any information submitted in response to this request in an administrative, civil or criminal action.

Failure to comply fully with this information request may subject Hydrite to an enforcement action under Section 113 of the CAA, 42 U.S.C. § 7413.

You should direct any questions about this information request to Kenneth Ruffatto at 312 886-7886.

8/10/16
Date


Edward Nam
Acting Director
Air and Radiation Division

Appendix A

When providing the information requested in Appendix B, use the following instructions and definitions.

Instructions

1. Provide a separate narrative response to each question and subpart of a question set forth in Appendix B.
2. Precede each answer with the number of the question to which it corresponds and, at the end of each answer, identify the person(s) who provided information used or considered in responding to that question, as well as each person consulted in the preparation of that response.
3. Indicate on each document produced, or in some other reasonable manner, the number of the question to which it corresponds.
4. When a response is provided in the form of a number, specify the units of measure of the number in a precise manner.
5. Where information or documents necessary for a response are neither in your possession nor available to you, indicate in your response why the information or documents are not available or in your possession, and identify any source that either possesses or is likely to possess the documents or information.
6. If information not known or not available to you as of the date of submission later becomes known or available to you, you must supplement your response. Moreover, should you find at any time after the submission of your response that any portion of the submitted information is false or incorrect, you must notify EPA as soon as possible.

Electronic Submissions

To aid in our electronic recordkeeping efforts, we request that you provide all documents responsive to this information request in an electronic format according to paragraphs 1 through 6, below. These submissions are in lieu of hard copy.

1. Provide all responsive documents in Portable Document Format (PDF) or similar format, unless otherwise requested in specific questions. If the PDFs are scanned images, perform at least Optical Character Recognition (OCR) for "image over text" to allow the document to be searchable. Submitters providing secured PDFs should also provide unsecured versions for EPA use in repurposing text.
2. When specific questions request data in electronic spreadsheet form, provide the data and corresponding information in editable Excel or Lotus format, and not in image format. If Excel or Lotus formats are not available, then the format should allow for data to be used in calculations by a standard spreadsheet program such as Excel or Lotus.

3. Provide submission on physical media such as compact disk, flash drive or other similar item.
4. Provide a table of contents for each compact disk or flash drive containing electronic documents submitted in response to our request so that each document can be accurately identified in relation to your response to a specific question. *We recommend the use of electronic file folders organized by question number.* In addition, each compact disk or flash drive should be labeled appropriately (e.g., Company Name, Disk 1 of 4 for Information Request Response, Date of Response).
5. Documents claimed as confidential business information (CBI) must be submitted on separate disks/drives apart from the non-confidential information. This will facilitate appropriate records management and appropriate handling and protection of the CBI. Please follow the instructions in Appendix C for designating information as CBI.
6. Certify that the attached files have been scanned for viruses and indicate what program was used.

Definitions

All terms used in this information request have their ordinary meaning unless such terms are defined in the CAA, 42 U.S.C. §§ 7401 *et seq.*, or the Indiana State Implementation Plan.

1. The terms "document" and "documents" shall mean any object that records, stores, or presents information, and includes writings, memoranda, records, or information of any kind, formal or informal, whether wholly or partially handwritten or typed, whether in computer format, memory, or storage device, or in hardcopy, including any form or format of these. If in computer format or memory, each such document shall be provided in translation to a form useable and readable by EPA, with all necessary documentation and support. All documents in hard copy should also include attachments to or enclosures with any documents.

Appendix B

Information You Are Required to Submit to EPA

Hydrite must submit the following information pursuant to Section 114(a) of the CAA, 42 U.S.C. § 7414(a), within 21 calendar days from receipt of this request.

1. Provide a narrative description of the new monitoring system installed in late 2015 (e.g. make and model of system, exact date of installation, monitored parameters at each monitoring locations, data continuously recorded, etc.) and a description of any observed or anticipated improvements in operation.
2. Provide a copy of any documents provided by the new monitoring system vendor/contractor that describe the new monitoring system.
3. Provide a comprehensive list of all corrective actions Hydrite has taken since the release of SO₂ in August of 2015.
4. Provide a copy of any analyses or studies completed that provide any information on the composition (i.e. SO₂ and other gas concentrations) and flow rate of gas exiting either of the burners.

Appendix C

Testing Information You Are Required to Perform and Submit to EPA

Hydrite shall conduct sulfur dioxide (SO₂) emission testing at its facility located at 2400 South Erie Canal Road, Terre Haute, Indiana (the facility), submit an emission test protocol and submit all other information requested below pursuant to Section 114 of the Clean Air Act, 42 U.S.C. § 7414, within the schedules provided below.

Test Protocol and Notification:

1. Within 60 calendar days from receipt of this request, Hydrite shall submit for EPA review and approval a test protocol for SO₂ emission testing as required in Paragraph 3 below. The test protocol shall, at a minimum, contain information outlined in Attachment 1 to this Appendix. The test protocol must be approved by EPA in writing prior to implementation.
2. At least 21 days prior to the planned test date(s), Hydrite shall submit an intent to test notification for the emissions testing. A shorter timeframe may be approved by EPA in writing.

Emissions Testing and Test Report

3. Within 45 days after receipt of EPA's approval of the test protocol, Hydrite shall conduct emissions testing for SO₂ before and after the final scrubber on the bisulfite processing line (Stacks ST-260). Hydrite shall commence the tests in accordance with the approved test protocol submitted by Hydrite required above in Paragraph 1.
4. Hydrite shall perform the tests according to the following specifications:
 - a. The tests shall each consist of three one-hour runs, unless otherwise specified in the test method.
 - b. The monitoring instruments shall be installed both before and after the final scrubber to represent conditions with and without the scrubber operational.
 - c. The tests shall be conducted at the facility's maximum production rate (SO₂ production rate) and under the worst case emissions operating conditions. Since Hydrite has stated it periodically operates the bisulfite line with only one or only two reactors producing product, both of these operating conditions should be tested unless another condition is agreed upon and approved by EPA.
 - d. Continuously monitor the flow rate (scfm), gas temperature, and quality (percent SO₂) of the gas immediately exiting the burner during the entire stack test.
5. Hydrite shall conduct the emission tests, as appropriate, in accordance with the EPA Reference Methods found at 40 C.F.R. Part 60, Appendix A and 40 C.F.R. Part 51, Appendix M.
 - a. 40 C.F.R. Part 60, Appendix A, Methods 1, 2, 3, and 4 to determine stack gas characteristics.

- b. 40 C.F.R. Part 60, Appendix A, Method 6 (or an alternative) shall be used to determine SO₂ emissions. An alternative methodology should be utilized if any interferences listed in *4.0 Interferences* of Method 6 are expected such as free ammonia or water-soluble cations and fluorides.
6. No more than 45 days after the completion of the test, submit a test report containing the results of all stack test runs, including any partial runs. The report shall include, at a minimum, the information outlined in Attachment 2 to this Appendix.
7. Between the date of this request and the date of the tests required above, Hydrite shall not conduct any maintenance at the facility that is not routine maintenance. Moreover, any maintenance that is performed shall be documented in the test report required in Attachment 2 to this letter.

Attachment 1

Minimum Content of test protocol

General information:

1. Name and address of facility.
2. Name, title, telephone number, and e-mail address of contact person at facility.
3. Schematic drawing(s) of stack(s), temporary enclosures (if utilized), and sample ports.
4. Name, contact person, telephone number, and e-mail addresses for testing company contracted to conduct the test.
5. A process diagram(s) describing all pieces of equipment (e.g., Scrubber #1 vent) and bypasses. The diagram(s) should include the flow of material through each process from raw material to finished product and should have all air pollution emission points and stacks identified by name.

Operating conditions:

6. List of the process or operating rate and conditions of the process equipment and air pollution control equipment for the test.
7. List of the range of process or operating rates for each emissions unit.
8. Description of how air pollution control and process equipment will be monitored.

Methods:

9. List of all EPA Test Methodologies to be utilized and any planned or projected variance from such Methods.
10. Number of test runs, length of each test run, and estimated sampling rate for each Method.
11. Summary of reasons for proposing to use any alternative or equivalent Method(s).
12. Description and explanation of typical operating conditions at the Facility. Provide any associated documentation and supporting evidence justifying the typical operating conditions above.

Attachment 2

Minimum content of the test report (as applicable)

Cover Page:

1. Name and location of the facility.
2. Identification of emissions unit(s) tested.
3. Date of the performance test.
4. Name and address of testing company or agency.

Test Information:

5. Test Methodologies utilized.
6. Pollutants tested.
7. Any other important background information.

Summary Page:

8. Emissions results, expressed in pounds per hour.
9. Process data, as related to determination of compliance.
10. Description of collected samples.
11. Discussion of errors, both real and apparent.

Operating parameters:

12. All recorded operating ranges including other information pertinent to the stack test and understanding of the operations during testing.

Maintenance:

13. Description of all maintenance and operational inspections conducted between date of testing request and date of the test, including any major cleaning operations and replacement, repair, or modification of functional components of process or control equipment.

Sampling and analysis procedures:

14. Sampling port location and dimensioned cross section, showing all flow disturbances including elbows, dampers, fans, constrictions, and collection equipment.
15. Description of sampling point.
16. Description of sampling train.
17. Brief description of sampling procedures and analytical methods, with discussion of deviations from standard methods, including a statement of source methods used, but not including complete copies of reference methods in the report.

Appendix:

18. Complete results, including any fuel analysis, with example calculations, showing equations used and actual results in equation form on same or adjacent pages, using applicable equations shown in the reference method.
19. Copies of any and all raw field data.

20. Laboratory report, with record of chain of custody.
21. Raw production data, signed by plant official who can interpret the data and can be held accountable for the data.
22. Test log.
23. Calibration procedures and results, including Pitot tube, nozzle, meter box, thermometer, and barometer calibrations.
24. Names and titles of all employees, agents and/or contractors who participated in emission testing.

Additional information:

25. Any other information necessary to evaluate compliance.

Appendix D

Confidential Business and Personal Privacy Information

Assertion Requirements

You may assert a business confidentiality claim covering any parts of the information requested in the attached Appendix B, as provided in 40 C.F.R. § 2.203(b).

Emission data provided under Section 114 of the CAA, 42 U.S.C. § 7414, is not entitled to confidential treatment under 40 C.F.R. Part 2.

“Emission data” means, with reference to any source of emissions of any substance into the air:

Information necessary to determine the identity, amount, frequency, concentration or other characteristics (to the extent related to air quality) of any emission which has been emitted by the source (or of any pollutant resulting from any emission by the source), or any combination of the foregoing;

Information necessary to determine the identity, amount, frequency, concentration or other characteristics (to the extent related to air quality) of the emissions which, under an applicable standard or limitation, the source was authorized to emit (including to the extent necessary for such purposes, a description of the manner and rate of operation of the source); and

A general description of the location and/or nature of the source to the extent necessary to identify the source and to distinguish it from other sources (including, to the extent necessary for such purposes, a description of the device, installation, or operation constituting the source).

40 C.F.R. § 2.301(a)(2)(i)(A), (B) and (C).

To make a confidentiality claim, submit the requested information and indicate that you are making a claim of confidentiality. Any document for which you make a claim of confidentiality should be marked by attaching a cover sheet stamped or typed with a caption or other suitable form of notice to indicate the intent to claim confidentiality. The stamped or typed caption or other suitable form of notice should employ language such as “trade secret” or “proprietary” or “company confidential” and indicate a date, if any, when the information should no longer be treated as confidential. Information covered by such a claim will be disclosed by EPA only to the extent permitted and by means of the procedures set forth at Section 114(c) of the CAA and 40 C.F.R. Part 2. Allegedly confidential portions of otherwise non-confidential documents should be clearly identified. EPA will construe the failure to furnish a confidentiality claim with your response to the information request as a waiver of that claim, and the information may be made available to the public without further notice to you.

Determining Whether the Information Is Entitled to Confidential Treatment

All confidentiality claims are subject to EPA verification and must be made in accordance with 40 C.F.R. § 2.208, which provides in part that you must satisfactorily show: that you have taken reasonable measures to protect the confidentiality of the information and that you intend to continue to do so, that the information is not and has not been reasonably obtainable by legitimate means without your consent and that disclosure of the information is likely to cause substantial harm to your business's competitive position.

Pursuant to 40 C.F.R. Part 2, Subpart B, EPA may at any time send you a letter asking that you support your confidential business information (CBI) claim. If you receive such a letter, you must respond within the number of days specified by EPA. Failure to submit your comments within that time would be regarded as a waiver of your confidentiality claim or claims, and EPA may release the information. If you receive such a letter, EPA will ask you to specify which portions of the information you consider confidential by page, paragraph and sentence. Any information not specifically identified as subject to a confidentiality claim may be disclosed to the requestor without further notice to you. For each item or class of information that you identify as being CBI, EPA will ask that you answer the following questions, giving as much detail as possible:

1. For what period of time do you request that the information be maintained as confidential, e.g., until a certain date, until the occurrence of a special event or permanently? If the occurrence of a specific event will eliminate the need for confidentiality, please specify that event.
2. Information submitted to EPA becomes stale over time. Why should the information you claim as confidential be protected for the time period specified in your answer to question number 1?
3. What measures have you taken to protect the information claimed as confidential? Have you disclosed the information to anyone other than a governmental body or someone who is bound by an agreement not to disclose the information further? If so, why should the information still be considered confidential?
4. Is the information contained in any publicly available databases, promotional publications, annual reports or articles? Is there any means by which a member of the public could obtain access to the information? Is the information of a kind that you would customarily not release to the public?
5. Has any governmental body made a determination as to confidentiality of the information? If so, please attach a copy of the determination.
6. For each category of information claimed as confidential, explain with specificity why release of the information is likely to cause substantial harm to your competitive position. Explain the specific nature of those harmful effects, why they should be viewed as

substantial and the causal relationship between disclosure and such harmful effects. How could your competitors make use of this information to your detriment?

7. Do you assert that the information is submitted on a voluntary or a mandatory basis? Please explain the reason for your assertion. If you assert that the information is voluntarily submitted information, explain whether and why disclosure of the information would tend to lessen the availability to EPA of similar information in the future.
8. Is there any other information you deem relevant to EPA's determination regarding your claim of business confidentiality?

If you receive a request for a substantiation letter from the EPA, you bear the burden of substantiating your confidentiality claim. Conclusory allegations will be given little or no weight in the determination. In substantiating your CBI claim(s), you must bracket all text so claimed and mark it "CBI." Information so designated will be disclosed by EPA only to the extent allowed by and by means of the procedures set forth in 40 C.F.R. Part 2, Subpart B. If you fail to claim the information as confidential, it may be made available to the public without further notice to you.

Personal Privacy Information

Please segregate any personnel, medical and similar files from your responses and include that information on a separate sheet(s) marked as "Personal Privacy Information." Disclosure of such information to the general public may constitute an invasion of privacy.

Standard bcc's:

Official File Copy w/Attachment (s)

Originating Organization Reading File w/Attachment(s)

Other bcc's:

Kenneth Ruffatto/AE-17J (e-copy)

Ethan Chatfield/AE-17J (e-copy)

Matthew Dawson/C-14J (e-copy)

CERTIFICATE OF MAILING

I, Loretta Shaffer, certify that I sent a Request to Provide Information Pursuant to the Clean Air Act by Certified Mail, Return Receipt Requested, to:

Val Kizik
Hydrite Chemical Company
2400 South Erie Canal Road
Terre Haute, Indiana, 47802

I also certify that I sent a copy of the Request to Provide Information Pursuant to the Clean Air Act by E-mail to:

Phil Perry, Chief, Air Compliance Branch
PPERRY@idem.IN.gov

On the 15th day of August 2016.

Kerthy Jones
for Loretta Shaffer, Program Technician
AECAB, PAS

CERTIFIED MAIL RECEIPT NUMBER: 7009 1680 000 7646 9548